



# Product Evaluation

EC073 | 1014

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** EC-73

**Effective Date:** September 1, 2014

**Revised:** October 1, 2014

**Re-evaluation Date:** September 2018

**Product Name:** Nichiha NichiShake™

**Manufacturer:** Nichiha USA, Inc.  
6465 E. Johns Crossing, Suite 250  
Johns Creek, GA 30097  
(770) 805-9466

## **Product Description:**

NichiShake™ siding has a thickness that ranges from 0.280" to 0.308". The siding comes in a 17-7/8" length. The siding comes in 6-1/4", 8-1/4", and 12" widths. The siding has a classic cedar finish.

## **Installation Requirements:**

### **General Installation Requirements:**

- A weather resistive barrier is required in accordance with local building codes when installing the siding. Use the approved weather resistive barrier (WRB) as defined by the IRC or IBC.
- Use corrosion-resistant fasteners as the IRC and the IBC, with the Texas Revisions specify.
- Stainless steel fasteners are highly recommended in high humidity and high moisture regions.

### **Assembly No. 1**

#### **NichiShake™ siding (Blind Nailing)**

**Fastener:** 2" long, 6d siding nail, Maze Model No. CLHD-115

**Design pressure:** -35.7 psf

**Installation:** Use wall studs that are a minimum Spruce-Pine-Fir (SPF) dimension lumber spaced a maximum of 24" on center. Install minimum 7/16" OSB over the wall studs with fasteners spaced a maximum of 6" along the perimeter and 12" on center in the field. Apply starter strip to the wall framing with the Maze fasteners spaced 12" on center. Set 9-1/4" wide lap siding over and flush with the starter strip, and secure to the wall studs with the Maze fasteners. Place the first course of shake siding over the lap siding and secure with the Maze fasteners. Install the shakes randomly. Install the 6-1/4" and 8-1/4" wide shakes with fasteners located 8-1/4" to 9" from the bottom of the shake and 1" in from the edge. Install the 12" wide shake with fasteners located 8-1/4" to 9" from the bottom of the shake and 1/2" in from each end and one in the center of the shake. Place the second course on top of the first course so that the bottom edge of the second course is 8" above the first course top edge, providing an 8" reveal. Place the second course of shakes in a different random order from the first course. Install the remaining courses in a similar manner.

### **Assembly No. 2**

#### **NichiShake™ siding (Blind Nailing)**

**Fastener:** 2" long, 6d siding nail, Maze Model No. CLHD-115

**Design pressure:** -43.0 psf

**Installation:** Use wall studs that are a minimum Spruce-Pine-Fir (SPF) dimension lumber spaced a maximum of 24" on center. Install a minimum 7/16" OSB over the wall studs with fasteners spaced a maximum of 6" along the perimeter and 6" on center in the field. Apply a starter strip to the wall framing with the Maze fasteners spaced 12" on center. Set a 9-1/4" wide lap siding over and flush with the starter strip, and secure to the wall studs with the Maze fasteners. Place the first course of shake siding over the lap siding and secure with the Maze fasteners. Install the shakes randomly. Install the 6-1/4" and 8-1/4" wide shakes with fasteners located 8-1/4" to 9" from the bottom of the shake and 1" in from the edge. Install the 12" wide shake with fasteners located 8-1/4" to 9" from the bottom of the shake and 1/2" in from each end and one in the center of the shake. Place the second course on top of the first course so that the bottom edge of the second course is 8" above the first course top edge providing an 8" reveal. Place the second course of shakes in a different random order from the first course. Install the remaining courses in a similar manner.

**Note:** The manufacturer's installation instructions must be available on the job site during installation. All fasteners must be corrosion resistant as specified in the IRC, the IBC, and the Texas Revisions.